



# Alro Plastics

Your Source for Engineering Plastics

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## King MicroShield®

Physical Properties for King Plastic Corporation MicroShield®

Physical Properties	ASTM Test	Value	Units
Density	D1505	0.960	g/cc
Tensile Strength @ Yield	D638	>4,500	psi
Tensile Modulus	D638	318,000	psi
Elongation @ Break	D638	>600	%
Elongation @ Yield	D638	8.8	%
Flexural Modulus	D790	225,000	psi
Flexural Stress @ 5% Strain	D790	4,480	psi
Compressive Properties 10% Strain	D695	4,790	psi
Durometer	D2240	69	Shore D
Tensile Impact	D1822	99	ft.lbs./in.2
Izod Impact Resistance	D256	1.4	ft.lbs./in.2
Brittleness Temperature	D746	<-75°C (103°F)	°C (°F)
Vicat Softening	D1525	172°C (270°F)	°C (°F)
Heat Deflection Temp. 66 psi	D648	84°C (183°F)	°C (°F)
Screw and Nail Withdrawal	D1761	755 & 55	lbs.
Flammability	UL94	HB	Rating

All values are determined on specimens prepared according to ASTM Standards.

Nominal values should be interpreted as specifications.

King StarBoard® ST is made entirely from FDA and made with USDA approved materials.

King StarBoard® STMS meets ASTM D4976.

King StarBoard® STMS contains no VOC's.